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- A system for color measurement for a color hard copy apparatus, having a print media transport path, comprising:
- an illumination source adjacent to said path;
  a plurality of photodetectors adjacent to said path; and
  a test pattern on a sheet of media traveling said path, the pattern
  having a geometric configuration such that each of said photodetectors
  detects substantially discrete regions of said pattern having a single color
  generated by said apparatus.
  - The system as set forth in claim 1, further comprising:
     said photodetectors having predetermined spectral responses.
- 15 3. The system as set forth in claim 1 wherein the illumination source is broadband.
  - The system as set forth in claim 1, further comprising:
     a white calibration target mounted within the field of view of all of said sensors.
    - A color hard copy apparatus, having a mechanism generating a test pattern on media transported along a predetermined path through said apparatus, comprising:

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adjacent said path downstream of the mechanism, a broad band illumination source mounted for illuminating said pattern; and

adjacent said path downstream of the mechanism, an array of sensors mounted for detecting color properties of discrete areas of a region of the test pattern having an intended uniform color generated by the mechanism.

- The apparatus as set forth in claim 5, comprising:
   said sensors having predetermined spectral responses.
- The apparatus as set forth in claim 5 wherein the illumination source is broadband.
  - The apparatus as set forth in claim 5, further comprising:

     a white calibration target mounted within the field of view of all of said
  - A method for measuring actual color produced by a color hard copy device comprising the steps of:
- a) illuminating with broad band light, a region of a color test pattern
   generated by the device, wherein said region has a first color generated by the device;
  - b) discretely sensing actual color characteristics of individual areas of said region; and
    - c) storing data representative of said color characteristics.

- 10. The method as set forth in claim 9, comprising the further steps of: printing a plurality of intended colors in addition to said first color with said device, and
- 5 repeating steps a)-c) for each of the plurality of intended colors other than said first color.
- 11. The method as set forth in claim 9, comprising the further step of: prior to steps a) c), calibrating each of said sensors using a white10 calibration target.